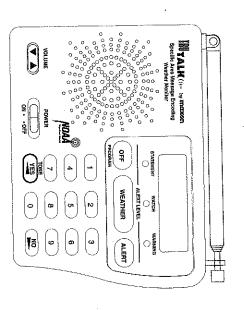
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UTALK ((((:- by maxon

WX-80 SAME Weather Monitor



Operating Instructions

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Warranty Setvice Instructions. 39	Waintenance 38	Specifications 32	Test Mode. 31	Undefined Weather Description 31	 Setting the Aiert Tone Volume	Using the Alert Function	ocation for Your WX-80 Monitor		Monitoring Single or Multiple Locations	Setting the Backlight.	Factory Default Programming.	Prog	<u> </u>	Installing the Backup Battery.	VI. Powering the Weather Monitor	V. Getting in Know V. Law C. Getting in Know	•	able of Contents FCC Information

I. FCC INFORMATION

ence in a residential environment. provide reasonable protection against harmful interfer-Rules and Regulations. These rules are designed to Class B Digital Device, pursuant to Part 15 of the FCC been tested and found to comply with the limits for a involving the use of this device. This equipment has requires that you be advised of certain requirements The FCC (Federal Communications Commission)

interference by one or more of the following measures:
Reorient or relocate the receiving antenna
Increase the separation between the radio and other ment off and on). The user is encouraged to correct the tion (which can be determined by turning the equipinterference will not occur in another device's recepnications. However, there is no guarantee that the (RF) energy. If not used in accordance with the instructions, it may cause interference to other radio commu-This equipment uses and can generate radio frequency

- Consult the manufacturer for technical assistance

expressly approved in writing may cause harmful this equipment. interference and void the user's authority to operate FGC Warning: This equipment generates or uses radio frequency (RF) energy. Changes or modifications not

II. ABOUT TOPAZ3

TruTalk brand communication products Topaz3 is the exclusive supplier of Maxon*, Legacy and

equipment for recreational and light-duty business markets Business and Industry (B&I) markets like farm, government law enforcement, utility, etc. to consumer communications Our product line ranges from two-way radios suitable for

Service) radios, Citizen's Band radios and weather monitors handheld and mobile radios, repeaters and RF link modules, as well as FRS (Family Radio Service), GMRS (General Mobile Radio Service) radios, MURS (Multi User Radio Product offerings include a variety of UHF and VHF

Available accessory items include a variety of carrying cases, spare batteries, desktop and mobile chargers, ear bud speaker microphones and more for each radio model

website: www.topaz3.com For additional information on our product line, visit our

III. ABOUT YOUR WX-80

to keep you aware of ever-changing conditions. alert broadcasts from the National Weather Service, and announcements from the Emergency Alert System The WX-80 SAME Weather Monitor "hears" weather

you program the monitor to receive forecasts, updates SAME (Specific Area Message Encoding) technology lets

III. ABOUT YOUR WX-80, Continued

targeted to your area. The unit stores up to 15 SAME geographic codes, allowing you to hear weather events in the counties you choose - not those far away from you.

Other features of the TruTalk WX-80 include

- Provides instant weather information anytime night or day up to 50 miles from nearest transmitter
- Stores up to 15 SAME geographic codes allowing you to hear weather events in the counties you choose
- Meets EAS (Emergency Alert System) standards
 LED Indicators identify alert types: Statement, Watch and Warning
- Keypad selects weather channel, enters SAME geographic codes and chooses alert type
- Backlit 8-character LCD shows specific emergency messages
- Variable alert tone and audio broadcast volume levels
 Built-in "test mode" confirms operation and resets to factory default settings
- Separate alert "off" control button
- Telescopic antenna
- AC Power operation (AC power adaptor included)
- 9V Battery backup keeps you advised during power outage (battery not included)
- · Compact monitor can be used on counter or wall-mounted
- One Year Warranty

IV. UNPACKING AND CHECKING EQUIPMENT

Carefully unpack the monitor and any accessories. Use the item list below to identify the components included in the product packaging, to ensure that no items are discarded in the packing materials.

WX-80 Weather Monitor AC Power adaptor Wall mounting hardware

If any items are missing or damaged, you should contact the Topaz3 Customer Service Department. Dial 1-800-821-7848, Ext. 499 for assistance.

V. GETTING TO KNOW YOUR WX-80

- A) Speaker announces event messages and alert tones
- B) Telescopic antenna extends for maximum radio reception
- C) 8-Character LCD displays event message, radio alert status and low battery condition
 D) Statement, Watch, Warning LED's visually confirms
- weather event status condition

 E) ALERT Button used to turn alert on or off
- E) ALERT Button used to turn alert on or off
 F) WEATHER Button used to obtain NWS weather announcements anytime night or day
- G) OFF / PROGRAM Button used to turn off weather alert siren and enter programming mode
- H) Numeric keypad used to enter SAME geographic codes

4

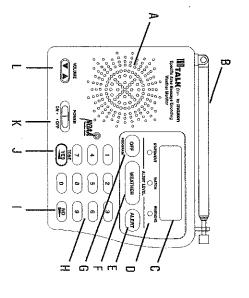
V. GETTING TO KNOW..., Continued

- NO Function selection button declines function during programming
- programming; adjusts alert siren tone Power On / Off switch YES / Tone Function button - selects function during

Volume up / down switch

On Monitor side (not shown): Monitor base (not shown): Battery compartment door, Wall mounting keyholes

External antenna jack, DC Power jack



VI. POWERING THE WEATHER MONITOR

an alkaline battery. A fresh backup battery will power and longest life during power failure, we recommend or is temporarily disconnected. For the best performance supplied) for backup power when standard power fails mode. However, we recommend you always connect broadcast turned on or up to 8 hours in alert standby power for normal operation and one 9V battery (not Your WX-80 weather monitor uses standard 12V DC the weather monitor to AC power for normal use. the weather monitor for up to 1 hour with the weather

signal will be received, even with a backup battery broadcasts. installed! The unit must be "ON" to receive alerts and Remember, when the unit is powered OFF, no alert

Installing the Backup Battery

- 1. Place the monitor's power on / off switch into the "OFF" position by sliding it to the right.
- Press the tab on the battery compartment cover, lift the cover up and set it aside.
- Using a fresh 9V alkaline battery, "snap" the terminal or damage the wiring. into the compartment, taking care not to crimp connector onto the battery, and place the battery
- Replace the cover.
- 4, το Power ON the WX-80 by sliding the power switch to the left ("ON" position).

VI. POWERING THE WEATHER..., Continued Installing the Backup Battery, Continued

NOTE: Do NOT use a rechargeable-type battery in your weather monitor. Use standard alkaline batteries only.

NOTE: If the backup battery becomes weak, your weather monitor might not sound a tone when an emergency or test alert is broadcast. Check the monitor's reception periodically, and replace the battery as needed.

CAUTION: Dispose of an old or weak battery promptly and properly. Do not burn or bury it. Batteries can leak chemicals that can cause personal injury and/or damage to the monitor unit.

When "REPLACE BATTERY" appears on the radio display or the weather monitor stops operating (while under battery-only power), replace the battery with a fresh one. "REPLACE BATTERY" will also appear on the radio display if no backup battery is installed and the weather monitor is connected to AC power and then turned on. This is to remind you that the battery backup capability will not work in times of AC power outages without a battery installed!

Connecting the Weather Monitor to AC Power

 Place the monitor's power on / off switch into the "OFF" position by sliding it to the right.

VI. POWERING THE WEATHER..., Continued

Connecting the Weather Monitor..., Continued

- Plug the AC power adaptor into the power jack on the left side of the monitor.
- Plug the power adaptor into a standard, household 110V AC outlet.

Using the Built-In Antenna

The weather monitor's built-in telescoping antenna lets you receive strong local signals. Lift the antenna to a vertical position, then full extend it for optimum reception.

To improve reception in remote areas, you can connect an external 50 Ohm antenna to your weather monitor using an optional adapter cable with an RCA plug connected to the side panel EXT ANT (External Antenna) jack. Your local electronics store sells a wide variety of antennas. Follow the installation instructions provided with the antenna to connect to the WX-80 monitor.

VII. LISTENING TO A WEATHER BROADCAST

Your weather monitor is pre-programmed with the 7 NOAA weather broadcast frequencies (Channels 1-7). To select a frequency broadcast for your area, follow steps outlined on the next few pages.

VII. LISTENING TO A WEATHER..., Continued

- 1. With the WX-80 powered ON, push the "WEATHER" button to activates the monitor audio circuitry.
- 2. Adjust the audio volume to the desired listening level using the Volume Up / Down bar. Volume settings range from 1 the lowest setting, to 8 the highest setting. The audio volume control has a mute setting (volume setting 0) that will allow you to temporarily mute all audio.

To turn off the weather broadcast, press the WEATHER button again.

VIII. PROGRAMMING YOUR WX-80

Factory Default Programming
Your weather monitor is preprogrammed to receive broadcasts for ALL area broadcasts and ALL weather alert types. This is called "All Signals Code", (refer to Table of Contents for page number). The first time you use your weather monitor, you will find that it is automatically set to use the NOAA weather broadcast frequency 162.550 MHz (Channel 1).

Depending on your location, you may need to select a different channel, determined by your local area NWS transmitter frequency. Follow these steps to select your local broadcast frequency.

IMPORTANT: During all programming modes, if there

VIII. PROGRAMMING YOUR WX-80, Continued

Factory Default Programming, Continued is a pause of 40 seconds without a key press, the WX-80 will store current settings and return to operations mode. This will ensure that the WX-80 is operational, should there be any interruptions during your programming setup.

The following programming instructions are broken down by specific function. Each programming topic ends by terminating the programming and returning to standby or operating mode.

All programming functions can be set in one session should you desire to program multiple functions before returning to operations mode. The YES key is used to accept the current display setting and will continue to advance you to the next programming step, allowing you to skip options that you do not wish to change.

- Power the WX-80 weather monitor "on" by sliding the on/ off switch to the left. You will hear a tone to confirm power is ON.
- Press the OFF/PROGRAM button for 2 seconds to begin the programming mode. The display will show the last selected weather channel (possibly the default setting frequency).
- Press the WEATHER button to activate the weather audio, then push the volume up or down key to

VIII. PROGRAMMING YOUR WX-80, Continued

Factory Default Programming, Continued

adjust the broadcast volume to desired level.

Press the number keys, in sequence, from 1 through
7 to find the broadcast channel for your area, by
listening for the strongest signal. Re-adjust the
volume level if necessary, then listen briefly to
the announcement message to ensure information
about your local area is being broadcast. If another
channel seems strong, go to that channel and
listen to its broadcast. Choose the channel which
best represents information for your location.

4	ω	2	_	Channel
162.425	162.475	162.400	162.550 MHz	Frequency
	7	6	5	Channel
	162.525	162.500	162.450	Frequency

. When you have selected the best channel for your location, push the YES button to store your selection and advance to the next programming step, "Setting the Alert Type", or push the OFF / PROGRAM key for 2 seconds to store the selection and set mode to operate. The current alert status (WEATHER ALRT ON or WEATHER ALRT OFF) appears.

VIII. PROGRAMMING YOUR WX-80, Continued

Setting the Alert Type
You can set the WX-80 weather monitor to respond to
You can set the WX-80 weather monitor to respond to
an NWS alert broadcast in one of two ways. When the
monitor is powered on and activated by an alert signal
the following will occur (by setting selection):

VOICE - when activated by an alert signal, the weather monitor sounds an alert beep or siren for about 8 seconds, then automatically broadcasts the weather for 5 minutes. Then it returns to standby operation. The display shows the alert description (such as TORNADC WARNING) until the alert's effective time expires. An alert could be in effect for several hours.

ALERT - when activated by an alert signal, the weather monitor sounds an alert beep or siren continuously and displays an alert description until the alert's effective time expires. To turn off the alert sooner, press the OFF button. To hear the NWS voice broadcast, press the WEATHER button.

NOTE: When the weather monitor's alert expires or you turn it off, you hear the NWS alert termination tone (three bursts) for a few seconds before you hear the voice broadcast. The NWS alert termination tone has a different sound than the weather monitor's alert tone.

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VIII. PROGRAMMING YOUR WX-80, Continued Setting the Alert Type, Continued

The weather monitor is set to the ALERT setting as the factory default. To change the alert type setting to VOICE (or to check the current selection), follow these steps:

- With the WX-80 powered on, push the OFF/PROGRAM button for 2 seconds to set mode to program.
- Press the YES button once to advance to the Alert
 Type setting. The current alert pattern selection
 (VOICE or ALERT) appears on the display.
- To select the alternate setting (choosing VOICE instead of ALERT or choosing ALERT instead of VOICE) press the NO button. The alternate setting appears. To toggle between settings, press the NO button more than once. Your selection is saved by pressing the YES button.

NOTE: Pressing the NO button repeatedly will alternate or toggle between the selection of ALERT and VOICE.

4. When your selection appears on the display, push the YES button to store the selection and advance to the next programming step, (Setting the Backlight) or push the OFF/PROGRAM button for 2 seconds to store the selection and set mode to operate. The current alert status

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VIII. PROGRAMMING YOUR WX-80, Continued Setting the Alert Type, Continued

(WEATHER ALRT ON or WEATHER ALRT OFF) will appear in the display.

Setting the Backlight

Your weather monitor's display backlight automatically turns on for about 10 seconds each time you press a key. For extended use in low light situations, you can set the backlight so it remains on continuously until you turn it off. **NOTE:** The monitor must be connected to AC power to have a continuous backlight setting.

Follow these steps to turn the backlight on or off.

1. With the WX-80 powered on, push the

OFF/PROGRAM button for 2 seconds to set mode to program.

- Press the YES button twice so "CONTINUD" (continuous) and "BACKLITE" alternately flash on the display.
- Press the YES button to accept the continuous backlight setting, or press the NO button to turn off the continuous backlight. **NOTE:** If you choose NO, the backlight setting will turn off 10 seconds after the last button press. The display will advance to the next programming step, "Single or Multiple Location Monitoring".

VIII. PROGRAMMING YOUR WX-80, Continued Setting the Backlight, Continued

store the selection and set mode to operate. The current alert status (WEATHER ALRT ON or WEATHER ALRT OFF) appears.

Understanding SAME Geographic Codes

NOTE: In the following text, SAME Geographic Codes are also known as FIPS Codes. The National Oceanic and Atmospheric Administration (NOAA) began broadcasting coded weather alert signals able to identify specific areas where the weather emergency is forecasted to occur. These Specific Area codes are called FIPS (Federal Information Processing System) codes. A unique FIPS code is assigned to every county or parish throughout the United States and all US territories.

Example: The 6-digit FIPS code to identify Kansas City, Missouri (Jackson County) is 029095.

The first digit in a FIPS code identifies the county subdivision, used only for extremely large counties or counties with geographically unusual shapes such as a long, narrow county. The next two digits identify the state, and the last three digits identify the county or parish.

VIII. PROGRAMMING YOUR WX-80, Continued Understanding SAME Geographic..., Continued NOTE: Most FIPS codes begin with 0, which means that FIPS code represents an entire county. The NWS

NOTE: Most FIPS codes begin with 0, which means that FIPS code represents an entire county. The NWS has future plans to subdivide some large counties. When that happens, each subdivision will be assigned a digit from 1 - 9, resulting in codes such as 129059, 229059, and so on.

Event Codes - Emergency events, such as weather emergencies or civil emergencies, are also assigned a code known as an Event Code. These event codes are used to identify an emergency by type.

Example: (TOW) for Tornado Warning.

SAME - (Specific Area Message Encoding) combines the FIPS Code to identify a specific area and an Event. Code to specify the particular emergency event for that area. The area and event identification data is followed by a voice message pertaining to the emergency situation for that area. This data is then digitally encoded and broadcast by your local NOAA Weather Radio (NWR) station.

Your WX-80 weather monitor can receive all SAME alert signals broadcast within about a 40 to 50 mile radius of the NWR transmitter tower. To receive SAME alerts about weather emergencies occurring only

VIII. PROGRAMMING YOUR WX-80, Continued Understanding SAME Geographic..., Continued in particular counties of interest, you can program up

This allows you to avoid hearing an alert that applies to an area that is possibly several counties from you.

Obtaining Your Area's FIPS Code(s)

To obtain the FIPS code for your current location, call the National Weather Service toll free at 1-888-NWR-SAME (1-888-697-7263). Follow the instructions as prompted to enter your state and county location. The system will respond with the FIPS code for that county. If you are close to a county line, you might want to obtain the codes for the neighboring county or other nearby counties of interest to you.

Monitoring Single or Multiple Locations

Your WX-80 Weather Monitor will monitor either a single location or up to 15 locations, determined by the number of SAME Geographic Codes you enter, or choose to monitor.

To set the weather monitor to single or multiple locations, use the following steps:

 With the WX-80 powered on, push the OFF/PROGRAM button for 2 seconds to set mode to program.

VIII. PROGRAMMING YOUR WX-80, Continued Monitoring Single or Multiple..., Continued

- Press the YES button three times so the word SINGLE or MULTIPLE appears on the display.
- To select the opposite setting (MULTIPLE rather than SINGLE), press the NO button. The setting you selected appears. Pressing the NO button repeatedly will alternate the selection between SINGLE and MULTIPLE until the YES button is pressed.
- Press the YES button to select the option of your choice. The display will advance to the next programming step, "Entering the FIPS Location Codes". Whether you choose the SINGLE or MULTIPLE location option, the first memory location (LOC 1) and the FIPS Code stored will now alternately flash on the display.
 Push the OFF/PROGRAM key for 2 seconds to
- Push the OFF/PROGRAM key for 2 seconds to store the selection and set mode to operate. The current alert status (WEATHER ALRT ON or WEATHER ALRT OFF) appears.

Select Starte County)

VIII. PROGRAMMING YOUR WX-80, Continued Entering FIPS Location Codes

Your weather monitor is preset to use a default "All Signals" code (code 99), this lets the WX-80 receive any weather alert broadcast within its reception range (about a 50-mile radius in most locations). This code is preset in the weather monitor's first memory location (LOC 1 - 99).

To change the FIPS code in any of the memory location cells (LOC 1 through LOC 15), press the NO button while the LOC and code are flashing alternately. Pressing "NO" tells the WX-80 that you do not want the existing code and intend to change it to another code.

NOTE: This flashing code may be the default code of '99'. This code value sets the WX-80 to monitor ALL broadcasts within the area regardless of location code.

Follow these steps to program the weather monitor to the FIPS code for your local county or counties that you would like to monitor.

- With the WX-80 powered on, push the OFF/PROGRAM button for 2 seconds to set mode to program.
 Press the YES button four times so the word "I O
- Press the YES button four times so the word "LOC 1" (location 1) and "99" (the default code or an existing programmed FIPS code) flashes on the display. If you choose to monitor multiple

VIII. PROGRAMMING YOUR WX-80, Continued Entering FIPS Location Codes, Continued locations this will be at the continued locations this will be at the continued locations.

locations, this will be the first of fifteen FIPS codes (LOC 1 - LOC 15) that can be stored and monitored.

- If you do NOT want to retain the existing FIPS code in this location cell, press the NO button. Proceed to Step 5 to enter the new FIPS code.
- 4. If you DO want to retain the FIPS code currently in this location cell, press the YES button.

 The WX-80 will advance to the next location cell (2 15). At each location cell, you must make the same choice to either keep the existing FIPS code or to enter a new FIPS code.
- press the YES button repeatedly until you see the first unused memory location or the code you want to change, then press the NO button to clear the existing code. Six dashes (----) will appear allowing you to enter a new FIPS code for that location cell. Use the number keys (0-9) to enter the 6-digit FIPS code you want to store.

NOTE: If you make a mistake while entering the code press NO to clear all digits. The dashes (-----) will reappear and allow you to enter the correct code.

Press the YES button to store the desired codes in memory.

VIII. PROGRAMMING YOUR WX-80, Continued Entering FIPS Location Codes, Continued

Reminder: If you set the weather monitor to its multiple location mode, the code (if any) stored in the next memory position appears. Repeat Steps 3-6 for each code (up to 15) you want to change or add.

To reset the weather monitor to receive ALL SAME signals within a 50-mile radius, simply enter 99 in the first memory location. The display will read: LOC 1 99

When you press the YES button to store a code in the last location cell (LOC 15), the display will advance to the next programming step, Alert Tones.

 Push the OFF/PROGRAM button for 2 seconds to store the selection and set mode to operate. The current alert status (WEATHER ALRT ON or WEATHER ALRT OFF) appears on the display.

IX. ALERT TONES

You have the option to activate or turn off various types of "geographically confined" weather event alert tones received by your weather monitor. Optional alerts such as "Avalanche Watch", "Coastal Flood Warning" and "Volcano Warning" are naturally confined to their geographical restrictions.

IMPORTANT NOTE: Weather alerts for unpredictable

IX. ALERT TONES, Continued

weather hazards such as "Tornado Warning" can NOT be turned off by the user, and do not appear as options on the chart below.

You can set the weather monitor so it sounds or does not sound an alert tone during the following types of events. **NOTE:** The weather monitor still detects and displays information about alerts even after you disable the tone for those alerts. Use this table to note the status of each alert setting as you are programming.

High Wind Warning	High Wind Watch	Blizzard Warning	Winter	Winte	Flood	Floo	듄	Flag	Fla	Flag	Spc	န္	Se	Εv
រាing	Watch	Warning	Winter Storm Warning	Winter Storm Watch	Flood Statement	Flood Warning	Flood Watch	Flash Flood Statement	Flash Flood Warning	Flash Flood Watch	Special Weather Statement	Severe Weather Statement	Severe Thunderstorm Watch	Event Type
														Alert:
									·					On
														0ff

IX. ALERT TONES, Continued

		Demo Wessage
		Unknown Statement Tune TV
		Test Message
		Monthly Test
		Volcano Warning
		Volcano Watch
		Avalanche Warning
		Avalanche Watch
		Special Marine Warning
		Coastal Flood Warning
		Coastal Flood Watch
		Hurricane Statement
		Hurricane Watch
940	On	Event Type Afert:)

Your WX-80 uses three LED's to give you visual distinc-tion between the type of event (Statement, Warning or Watch) being broadcast. **Statement** means "A statement contains follow-up information to a warning, watch or emergency message. Statements emphasize short term forecast information, making use of observations and reports to heighten public perception of personal risk. Stay informed of the latest conditions and information by AM/FM radio, NOAA weather radio, television or other means." **Watch** means "There is potential for hazardous weather or flood event, but its occurrence, location, and/or timing

IX. ALERT TONES, Continued

services could create a variety of conditions that could directly threaten public safety." not a direct hazard, but disruption to other critical major power or telephone loss in a large city alone is to happen that may result in a hazard. For example, a property damage but indirectly may cause other things that by itself would not kill or injure persons, or result in When the term Emergency displays, it means "An event both can move easily with you to your place of safety." conditions and information using battery operated and information by AM/FM radio, NOAA weather AM/FM radio or battery operated NOAA weather radio from glass or windows, etc.). Stay informed of the latest move to the lowest level of home or building, away procedures according to the type of event (ie: tornado; ity of occurrence and location is high. Use safety threat to public safety and/or property and the probabiloccurring. The severe weather event poses a significant hazardous weather or flood event is imminent or radio, television or other means." Warning means "A is still uncertain. Stay informed of the latest conditions

As you proceed through the list of event types, you will be shown the current status for each alert tone (On or Off). Toggle between on and off settings by pressing the NO button. After confirming the desired status of tone (On or Off) for specific warning(s), save your selection for by pressing the YES button.

IX. ALERT TONES, Continued

(Example) Alert tone for "Winter Storm Warning". The eight character LCD will scroll through and display the message in up to three steps followed by the Alert Status (On or Off) as shown:

WINTER

STORM WARNING TONE ON

To accept and store current alert status (Tone On), press the YES button.

To change current alert status to (Tone Off), press the NO button. The display will change to read: WINTER

STORM WARNING TONE OFF

Again, continually pressing the NO button will toggle between On and Off settings.

Press the YES button to store your selection. The display will advance to the next optional alert type.

X. FINDING THE BEST LOCATION FOR YOUR WX-80 MONITOR

For your weather monitor to be effective, you must place it where it can receive an emergency alert broadcast and where you can hear its alert tone.

In the United States, the NWS broadcasts a weekly Test Alert each Wednesday between 11 AM and 1 PM. To find out the specific test schedule in your area, contact your local NOAA or NWS office. These offices are usually listed in the telephone book under "US Government, Department of Commerce."

Important: The fact that you get clear reception of a weather broadcast audio signal does NOT guarantee that an emergency alert tone will trigger your weather monitor's alert function. Be sure you choose the proper location for the weather monitor and regularly check the weather monitor to be sure it is operating properly.

Testing the Alert Tone

To manually test the weather monitor's alert tone and select a suitable location, perform the following.

- Turn on the WX-80 weather monitor while holding down the OFF/PROGRAM button. All LED indicators will glow and "TESTMODE" will display on the LCD.
- Press the ALERT button to test the alert tone function.
 The weather monitor will sound the alert tone.
 As the tone sounds, walk around the area where
 26

X. FINDING THE BEST LOCATION..., Continued Testing the Alert Tone, Continued

you keep the weather monitor to make sure you can hear the tone from other nearby rooms.

IMPORTANT NOTES:

- To make sure your weather monitor will sound the alert tone when it receives an emergency signal always keep the built-in antenna fully extended.
- Testing the alert tone only ensures that the weather monitor's alert tone can be heard. It does not test the weather monitor's receiver or guarantee you will receive an emergency alert!
- An emergency alert broadcast might not trigger your weather monitor's alert tone, even if it receives voice transmission clearly or if the alert tone sounds when you manually test it. Also, if you are in a fringe area, your weather monitor might be triggered by a broadcast when it is placed in one area, but not be triggered if you place it somewhere else (even close by).

XI. USING THE ALERT FUNCTION

The WX-80 alert function, using the ALERT button, is what determines whether or not the WX-80 will sound the alarm when alert signals are detected. With the monitor powered on, read the display for the Alert status message. To change the alert status press the

XI. USING THE ALERT FUNCTION, Continued

"ALERT" button for 2 seconds. The WX-80 will sound two beeps for "Alert Off or one beep for "Alert On". Release the "Alert" button and re-view the screen to confirm your chosen setting.

IMPORTANT NOTE: If you programmed more than one FIPS code into memory, be sure the weather monitor is set to its multiple mode. Otherwise, the weather monitor will only receive broadcast for the FIPS code you stored in the first memory position (LOC 1).

IMPORTANT: IF SEVERE WEATHER THREATENS

DO NOT wait for an alert signal to trigger the alarm; turn on the weather broadcast and monitor the weather information.

Setting the Alert Tone Volume

The Alert Tone (siren or beep) has a separate adjustment than that of the audio volume. To set the alert volume (Alert Audio Tone), perform the following:

- With the WX-80 powered on, push the YES button for 2 seconds. The WX-80 will sound a beep indicating that the Alert Tone is now adjustable.
- 2. Press the volume Up / Down switch to adjust the alert tone from setting 1 being the lowest to 6 being the loudest. Unlike the audio volume, there is no mute setting on the alert tone adjustment.

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XI. USING THE ALERT FUNCTION, Continued Setting the WX-80's "All Signals" Code

To set the weather monitor to respond only to specific FIPS codes you select, choose the codes you want to program (up to 15 total codes), program those codes into memory, and set the weather monitor to its multiple location mode.

To operate the weather monitor using the "All Signals" code and quickly switch to specific area monitoring, perform the following steps:

 Set the weather monitor to "single" as explained in the "Monitoring Single or Multiple Locations" section.

\$2. Program the first location cell (LOC 1) with the code "99" as explained in the "Entering the FIPS Location Codes" section.

*With the All Signals code (99) stored in the first memory location code and operating the WX-80 in the single location mode, you will receive all alert signals - regardless of location. You can quickly switch between "All Signals" and "Specific Area" monitoring.

With FIPS Codes / SAME Geographic codes stored in any of the other memory location codes (LOC 2 - LOC 15) and operating the WX-80 in multiple location mode, you will receive only the alert signals directed to the counties you have specified with the FIPS Codes.

XI. USING THE ALERT FUNCTION, Continued ★ Setting the WX-80's "All Signals" Code, Continued

By quickly switching the WX-80 from single to multiple mode, you change the operation from "All Signals" to "Specific Area" monitoring.

Reviewing Overlapping Alerts

Your weather monitor can store up to three different alerts (with overlapping effective times) in its memory. If the weather monitor receives a new alert while a previous alert is still in effect, it automatically displays the alert description and sounds an alert for the new alert.

To scroll forward or backward through the weather monitor's memory and review all effective alerts, press the YES button (to scroll backward).

NOTE: The weather monitor sounds a high-pitched tone if you try to scroll past the first or last alert in memory. To continue, press the YES button to begin scrolling in the opposite direction.

NOTE: If the weather monitor receives a new alert while three previous alerts are still in effect, it stores the newest alert and clears the oldest alert from memory always keeping the most recent three events in memory.

XI. USING THE ALERT FUNCTION, Continued When a Test or Demo Alert Occurs

The NWS sends out weekly test signals that you can use to confirm that your WX-80 weather monitor is working properly. To find out the specific test schedule in your area, contact your local NOAA or NWS office. Those offices are usually listed in the telephone book under "US Government, Department of Commerce".

When the weather monitor's alert function is turned on and the monitor receives a test broadcast for a FIPS code you programmed into its memory, it responds in one of these ways:

NWS Alert Type	You See	You Hear
Demo Message		
(sent at random times)	DEMO MESSAGE	No sound
Required Weekly		
SAME Test	WEEKLY TEST	Beeps
Required Monthly		
SAME Test	MONTHLY TEST	Beeps

Undefined Weather Descriptions

The NWS might occasionally broadcast several types of weather information intended for commercial or other non-private use. This information could include, for example, messages intended for automated weather services (such as those used by radio or TV stations).

XI. USING THE ALERT FUNCTION, Continued Undefined Weather Descriptions, Continued

Your weather monitor's memory does not contain a specific event code or corresponding description for the event signals related to these commercial weather types.

Additionally, your weather monitor is designed to recognize all common weather alert types currently used by the NWS. The NWS could, however, eventually create and broadcast new alert types (for which the weather monitor's memory does not contain a specific, corresponding description).

If your weather monitor receives a signal for a new alert type, it is programmed to display UNKNOWN, the alert description (EMERGENCY, STATEMNT, WARNING, or WATCH), and TUNE TV, then sound a Siren Alert. The display will show:

UNKNOWN WARNING TUNE TV

Test Mode

You can test basic functionality of the WX-80 weather monitor by performing the following.

 Turn on the WX-80 weather monitor while holding down the OFF/PROGRAM button. All LED

XI. USING THE ALERT FUNCTION, Continued

Test Mode, Continued

indicators will glow and "TESTMODE" will display on the LCD.

after to the chart on next page, then press a number to the chart on next page.

2. Refer to the chart on next page, then press a number key to test the desired function. The weather monitor tunes to the corresponding channel, and one of the following appears:

ou Press: The weather monitor displays:

CH. 2 (with Audio open) CH. 3 (with Audio open) CH. 4 (with Audio open) CH. 5 (with Audio open) CH. 6 (with Audio open) CH. 7 (with Audio open) DEFAULT (reset to factory so	2400V ¢	2 N -
in open) io open) to factory s EMO OFF	CH. 4 (with Audio open) CH. 5 (with Audio open) CH. 6 (with Audio open) CH. 7 (with Audio open) CH. 7 (with Audio open)	1 CH. 1 (with Audio open) 2 CH. 2 (with Audio open) 3 CH. 3 (with Audio open)

NOTE: If you pressed 9 in this step, your weather monitor can also perform these test functions while TEST MODE appears.

(the weather monitor's demo mode)

If you press ALERT, the weather monitor continuously sounds its alert siren. Press ALERT again to turn off the siren.

If you press YES, the STATEMENT, WATCH, and WARNING LEDs light at the same time.

XI. USING THE ALERT FUNCTION, Continued

Test Mode, Continued

If you press NO, the STATEMENT, WATCH, and WARNING LEDs turn off at the same time.

If you press WEATHER, all display characters (segments) appear at the same time.

Turn off the weather monitor and store your selection. Then turn it back on to begin using the new setting.

XII. NWS WEATHER EVENT DESCRIPTIONS

Your weather monitor can display these NWS Weather Your weather monitor can display these NWS Weather Event descriptions. For easy reference, this list also shows the type of alert (siren or beep) that sounds during each alert.

Coastal Flood Watch COAS		Coastal Flood Warning COAS	call yo				Civil Danger Warning CIVIL		Avalanche Watch AVAL	Avalanche Warning AVALI	Weather Event Type	
COASTAL FLOOD WATCH	WARNING	COASTAL FLOOD	call your local NWS office)	TV for available information;	TUNE TV (power on your	CIVIL DANGER WATCH	CIVIL DANGER WARNING	BLIZZARD WARNING	AVALANCH WATCH	AVALANCH WARNING	You See	
Siren	Siren		Siren			Siren	Siren	Siren	Siren	Siren	You mear	

XII. NWS WEATHER EVENT..., Continued

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Warning	Law Enforcement		Immediate Evacuation	Hurricane Watch	Hurricane Warning	Hurricane Statement	High Wind Watch	High Wind Warning	Watch	Hazardous Material	warning	Hazaruous Material	Hazardona Marca	Flood Watch	Flood Warning	Flood Statement	Flash Flood Watch	Flash Flood Warning	Flash Flood Statement	Fire Warning	Evacuate immediately	Termination	Emergency Action	Warning	Emergency Action	Weather Event Type
LAW ENFORCE WARNING		WARNING	IMMEDIAT EVACUATE	HURRIACN WATCH	HURRIACN WARNING	HURRIACN	HIGH WIND WATCH	HIGH WIND WARNING	WATCH	HAZARD MATERIAL	WARNING	HAZARD MATERIAL	FLUUD WATCH	LOOD WARNING	El DODIMA DAMAS	FL000	FLASH FLOOD WATCH	FLASH FI DOD WARNING	FLASH FI DOD	FIRE WARNING	EVACIOTE MAMERIAT	TERMINAT	EMERGENC ACTION	WARNING	EMER	You See
Siren	Siren	?	Siren	olien	spand	OTH	OFFIL	Class	2		Siren		Siren	Siren	беерѕ	Siren	Siren	Beeps	Siren	Siren	Siren	?	nair	2	JESH DOL	Van Haar
-Citational	·			.,_		·				بندو بدواسه	Total Statement							<u></u>		<u> </u>		······································	<u> </u>		<u></u>	L

XII. NWS WEATHER EVENT..., Continued

Tornado Warning			Special Weather	Warning	Special Marine	Warning	Shelter in-place	Statement	Severe Thunderstorm	Watch	Severe Thunderstorm		Severe Thunderstorm	Required Weekly Test	Required Monthly Test	Watch	Kadiological Hazard	Warning	hadiological Hazard	Practice / Demo	Periodic National Test	Center	National Information	Local Area Emergency	Weather Event Type
JING		SPECIAL WEATHER		WARNING	SPECIAL MARINE	WARNING	SHELTER IN-PLACE	SEVERE WEATHER		WATCH	SEVERE THUNDER	WARNING	SEVERE THUNDER	WEEKLY TEST	MONTHLY TEST	WATCH	RADIOLOG HAZARD	WARNING	RADIOLOG HAZARD	DEMO MESSAGE	NATIONAL PERIODIC TEST	NATIONAL INFO CENTER		LOACL AREA EMERGENC	You See
Siren	Nothing	Beens		Siren		Siren		Beens	21.00	Siren		Siren		Beens	Beens	Siren		Siren		Nothing	\dashv	Siren		Siren	You Hear

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XII. NWS WEATHER EVENT..., Continued

Winter Storm Watch V	Winter Storm Warning V	Volcano Watch V	Volcano Warning V	Ending in E	Unrecognized Event L	Ending in A	Event	Ending in W	Unrecognized Event U	Ending in S	Unrecognized Event	Tsunami Warning T	Tornado Watch T	Weather Event Type
WINTER STORM WATCH	WINTER STORM WARNING	VOLACNO WATCH	VOLACNO WARNING	TUNE TV	UNKNOWNEMERGENC	TUNE TV	UNKNOWN WATCH	TUNE TV	UNKNOWN WARNING	UNKNOWN STATEMNT TV		TSUNAMI WARNING	TORNADO WATCH	You See
Siren	Siren	Siren	Siren	Siren		Siren		Siren		Siren		Siren	Siren	You Hear

NOTE: TUNE TV might also indicate that the weather monitor has received a signal for a new event code not defined in the weather monitor's memory.

XIII. SPECIFICATIONS

Number of Channels:

Receiver Frequencies (MHz):

Ch. 1 162.550 MHz Ch. 2 162.400 Ch. 3 162.475 Ch. 4 162.425 Ch. 5 162.450 Ch. 6 162.500 Ch. 7 162.525

Receiving Sensitivity (at 12 dB SINAD) 0.3uV

FIPS Code Sensitivity
@ +/- 3KHz Deviation /
90% Success Rate

Battery Back-up

Antenna

Dimensions (H x W x D)

Weight (without battery)

0.3uV

One 9-Volt Battery

Telescoping Rod

Antenna

1.75" x 5.375" x 4.375" (45 x 137 x 110mm)

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XIV. MAINTENANCE

Your WX-80 Weather Monitor is designed to be maintenance free. To keep your radio in good working condition:

- Unplug your WX-80 from the AC power outlet before cleaning.
- Clean external surfaces with a clean cloth dampened in a solution of dishwashing detergent diluted in water. Apply the solution sparingly to avoid any moisture leaking into cracks and crevices. Do not submerge the weather monitor! Use a non-metallic brush to dislodge stubborn particles, if necessary. Dry the surface thoroughly with a soft, lint free cloth.
- DO NOT use solvents or spirits for cleaning they may permanently damage the housing.

XV. WARRANTY SERVICE INSTRUCTIONS

Refer to these Operating Instructions for proper operation and adjustments. If the problem cannot be corrected by reference to this document, return the product with proof of purchase (the sales receipt) to the place of purchase, or call the Topaz3 Customer Service Department for return instructions, toll-free: 1-800-821-7848, Ext. 499.

rurchase Date:	THE PERSON NAMED AND PARTY OF THE PE
Purchased From:	
Serial Number:	

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XVI. WARRANTY STATEMENT

Topaz3, LLC (herein Topaz3), warrants each new radio product manufactured or supplied by it to be free from defects in material and workmanship under normal use and service for the time period listed below, provided that the user has complied with the requirements stated herein. The Warranty period begins on the date of purchase from an Authorized Topaz3 Sales and Service Outlet. This Warranty is offered to the original end user and is not assignable or transferable. Topaz3 is not responsible for any ancillary equipment which is attached to or used in conjunction with Maxon, Legacy and TruTalk products.

Topaz3 offers to the original end user a Two (2) Year Limited Warranty on all Maxon and Legacy Business and Industrial Radio Products; TruTalk products carry a One (1) Year Limited Warranty. Waxon and Legacy accessories carry a One (1) Year Limited Warranty. TruTalk accessories carry either a One (1) Year Limited Warranty, or a Ninety (90) Day Limited Warranty, dependent on model.

During this period, if the product fails to function under normal use because of manufacturing defect(s) or workmanship, it should be returned to the Authorized Topaz3 Sales and Service Outlet from which it was purchased. The Sales and Service Outlet will repair the product, or return the product for repair to Topaz3 or its Authorized Repair Depot. The user is responsible for the payment of any charges or expenses incurred for the removal of the defective product from the vehicle or other site of its use; for the transportation of the product to the Sales and Service Outlet; for the return of the repaired / replacement product to the site of its use and for the reinstallation of the product.

Topaz3 shall have no obligation to make repairs or to cause

continued

XVI. WARRANTY STATEMENT, Continued

warranty is void if the product serial number is aftered, defaced or it was not designed, or by causes external to the Product. This Product, incorrect wiring, use of the Product in a manner for which of the user, improper or unauthorized alterations or repairs to the necessitated in whole or in part by catastrophe, fault or negligence removed replacement required which results from normal wear and tear or is

the replacement of parts or boards with functionally equivalent Product covered in this Warranty. Replacement, at Topaz3's option, may include a similar or higher-featured product. Repair may include become the property of Topaz3. time period. All replaced parts, accessories, batteries or boards batteries or boards are warranted for the balance of the original reconditioned or new parts or boards. Replaced parts, accessories, Topaz3's sole obligation hereunder shall be to replace or repair the

PARTICULAR PURPOSE. ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A IMPLIED OR STATUTORY, INCLUDING, WITHOUT LIMITATION LIEU OF ALL OTHER WARRANTIES, EITHER EXPRESSED OR THE EXPRESS WARRANTIES CONTAINED HEREIN ARE IN

INABILITY TO USE THE PRODUCT. REVENUE OR DATA ARISING OUT OF THE USE OF OR THE CONSEQUENTIAL DAMAGES, OR THE LOSS OF PROFIT, OR REPLACEMENT. IN NO EVENT WILL TOPAZ3 BE LIABLE WARRANTY SPECIFIED, THE SOLE REMEDY WILL BE REPAIR FOR ANY PRODUCT WHICH DOES NOT COMPLY WITH THE **NCLUDING ANY SPECIAL, INCIDENTAL, INDIRECT OR** TO THE BUYER OR ITS CUSTOMERS FOR ANY DAMAGES,

This Warranty is void for sales and deliveries outside of the U.S.A. or